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56 **Plastin isoforms and their uses.**

57 A method and reagents are provided for determining whether a human cell is a hemopoietic cell and whether a human tissue cell is in a neoplastic state. Human cells which express only leukocyte-plastin (l-plastin) are hemopoietic cells and human cells which express both l-plastin and tissue-plastin (t-plastin) are neoplastic. The method can be performed using isoform-specific plastin nucleotide probes or isoform-specific anti-plastin antibodies.

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# EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
A	CANCER RESEARCH, vol. 45, no. 11, part 2, November 1985, pages 5643-5647; D. GOLDSTEIN et al.: "Abundant synthesis of the transformation-induced protein of neoplastic human fibroblasts, plastin, in normal lymphocytes" * Abstract; page 5645, column 2, line 36 - page 5647, line 21 *	1-19	C 12 N 15/00 C 07 K 7/00 C 12 P 21/02 C 12 Q 1/68 G 01 N 33/574
A	MUTATION RESEARCH, vol. 199, no. 2, June 1988, pages 437-447, Elsevier Science Publishers B.V. (Biomedical Division); M. VARMA et al.: "Macromolecular changes accompanying immortalization and tumorigenic conversion in a human fibroblast model system" * Abstract; page 440, column 2, line 19 - page 441, column 1, line 16; page 446, column 1, lines 3-22 *	12-15	
A	BIOCHEMISTRY, vol. 27, no. 10, 17th May 1988, pages 3765-3770, The American Chemical Society; K. MATSUSHIMA et al.: "Purification and characterization of a cytosolic 65-kilodalton phosphoprotein in human leukocytes whose phosphorylation is augmented by stimulation with interleukin 1" * Abstract; page 3768, column 2, line 1 - page 3769, column 1, line 8 *	9-11	TECHNICAL FIELDS SEARCHED (Int. Cl.4)  C 07 K 15/00 G 01 N
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 18-03-1991	Examiner LUZZATTO E.R.P.G.A.
<p><b>CATEGORY OF CITED DOCUMENTS</b></p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ----- &amp; : member of the same patent family, corresponding document</p>			



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P,X	MOLECULAR AND CELLULAR BIOLOGY, vol. 8, no. 11, November 1988, pages 4659-4668, American Society for Microbiology; C.-S. LIN et al.: "Molecular cloning and characterization of platin, a human leukocyte protein expressed in transformed human fibroblasts" * The whole document, especially abstract; page 4659, column 1, line 1 - column 2, line 35; figure 2; page 4666, column 2, line 50 - page 4667, column 1, line 26 *	1-10	
A	IDEM -----	11-19	
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X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ----- & : member of the same patent family, corresponding document	